

RECEIVED

Page 1 of 8

APR 25 2003

TECH CENTER 1600



1600

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/497,822C

DATE: 04/22/2003 P. b

TIME: 14:33:17

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\04222003\I497822C.raw

3 <110> APPLICANT: French, Frank  
4 Wilson, Elizabeth  
5 Joseph, David  
6 Lubahn, Dennis  
8 <120> TITLE OF INVENTION: ANDROGEN RECEPTOR PROTEINS RECOMBINANT DNA MOLECULES AND  
CODING FOR SUCH  
9 AND USE OF SUCH COMPOSITIONS  
11 <130> FILE REFERENCE: 5470.130DV  
13 <140> CURRENT APPLICATION NUMBER: US 09/497,822C  
14 <141> CURRENT FILING DATE: 2000-02-03  
16 <160> NUMBER OF SEQ ID NOS: 26  
18 <170> SOFTWARE: PatentIn version 3.1  
20 <210> SEQ ID NO: 1  
21 <211> LENGTH: 32  
22 <212> TYPE: DNA  
23 <213> ORGANISM: Artificial Sequence  
25 <220> FEATURE:  
26 <223> OTHER INFORMATION: Synthetic Oligonucleotide probe.  
28 <400> SEQUENCE: 1  
29 acctgtgagg gctgtaaggt cttcttcaaa ag 32  
32 <210> SEQ ID NO: 2  
33 <211> LENGTH: 32  
34 <212> TYPE: DNA  
35 <213> ORGANISM: Homo sapiens  
37 <400> SEQUENCE: 2  
38 acatgtggaa gctgcaaggt cttcttcaaa ag 32  
41 <210> SEQ ID NO: 3  
42 <211> LENGTH: 32  
43 <212> TYPE: DNA  
44 <213> ORGANISM: Homo sapiens  
46 <400> SEQUENCE: 3  
47 acctgtggaa gctgtaaggt cttctttaag ag 32  
50 <210> SEQ ID NO: 4  
51 <211> LENGTH: 32  
52 <212> TYPE: DNA  
53 <213> ORGANISM: Homo sapiens  
55 <400> SEQUENCE: 4  
56 acctgtggca gctgcaaagt tttcttcaaa ag 32  
59 <210> SEQ ID NO: 5  
60 <211> LENGTH: 32  
61 <212> TYPE: DNA  
62 <213> ORGANISM: Homo sapiens  
64 <400> SEQUENCE: 5  
65 acttgtggaa gctgtaaaagt tttcttcaaa ag 32

**RAW SEQUENCE LISTING**  
 PATENT APPLICATION: US/09/497,822C

DATE: 04/22/2003  
 TIME: 14:33:17

Input Set : A:\PTO.VSK.txt  
 Output Set: N:\CRF4\04222003\I497822C.raw

```

68 <210> SEQ ID NO: 6
69 <211> LENGTH: 32
70 <212> TYPE: DNA
71 <213> ORGANISM: Homo sapiens
73 <400> SEQUENCE: 6
74 tcctgtgagg gctgtaaggc cttcttcaag ag          32
77 <210> SEQ ID NO: 7
78 <211> LENGTH: 32
79 <212> TYPE: DNA
80 <213> ORGANISM: Homo sapiens
82 <400> SEQUENCE: 7
83 acgtgtgaag gctgcaaggg tttctttaga ag          32
86 <210> SEQ ID NO: 8
87 <211> LENGTH: 32
88 <212> TYPE: DNA
89 <213> ORGANISM: Homo sapiens
91 <400> SEQUENCE: 8
92 gcctgtgagg gctgcaaggg cttcttccgc cg          32
95 <210> SEQ ID NO: 9
96 <211> LENGTH: 66
97 <212> TYPE: PRT
98 <213> ORGANISM: Homo sapiens
100 <400> SEQUENCE: 9
102 Cys Leu Ile Cys Gly Asp Glu Ala Ser Gly Cys His Tyr Gly Ala Leu
103 1           5           10          15
106 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Ala Glu Gly Lys
107          20          25          30
110 Gln Lys Tyr Leu Cys Ala Ser Arg Asn Asp Cys Thr Ile Asp Lys Phe
111          35          40          45
114 Arg Arg Lys Asn Cys Pro Ser Cys Arg Leu Arg Lys Cys Tyr Glu Ala
115          50          55          60
118 Gly Met
119 65
122 <210> SEQ ID NO: 10
123 <211> LENGTH: 66
124 <212> TYPE: PRT
125 <213> ORGANISM: Homo sapiens
127 <400> SEQUENCE: 10
129 Cys Leu Ile Cys Gly Asp Glu Ala Ser Gly Cys His Tyr Gly Val Leu
130 1           5           10          15
133 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Met Glu Gly Gln
134          20          25          30
137 His Asn Tyr Leu Cys Ala Gly Arg Asn Asp Cys Ile Val Asp Lys Ile
138          35          40          45
141 Arg Arg Lys Asn Cys Pro Ala Cys Arg Leu Arg Lys Cys Cys Gln Ala
142          50          55          60
145 Gly Met
146 65
149 <210> SEQ ID NO: 11

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/497,822C

DATE: 04/22/2003

TIME: 14:33:17

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\04222003\I497822C.raw

150 <211> LENGTH: 66  
151 <212> TYPE: PRT  
152 <213> ORGANISM: Homo sapiens  
154 <400> SEQUENCE: 11  
156 Cys Leu Val Cys Gly Asp Glu Ala Ser Gly Cys His Tyr Gly Val Val  
157 1 5 10 15  
160 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Val Glu Gly Gln  
161 20 25 30  
164 His Asn Tyr Leu Cys Ala Gly Arg Asn Asp Cys Ile Ile Asp Lys Ile  
165 35 40 45  
168 Arg Arg Lys Asn Cys Pro Ala Cys Arg Leu Gln Lys Cys Leu Gln Ala  
169 50 55 60  
172 Gly Met  
173 65  
176 <210> SEQ ID NO: 12  
177 <211> LENGTH: 66  
178 <212> TYPE: PRT  
179 <213> ORGANISM: Homo sapiens  
181 <400> SEQUENCE: 12  
183 Cys Leu Val Cys Ser Asp Glu Ala Ser Gly Cys His Tyr Gly Val Leu  
184 1 5 10 15  
187 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Val Glu Gly Gln  
188 20 25 30  
191 His Asn Tyr Leu Cys Ala Gly Arg Asn Asp Cys Ile Ile Asp Lys Ile  
192 35 40 45  
195 Arg Arg Lys Asn Cys Pro Ala Cys Arg Tyr Arg Lys Cys Leu Gln Ala  
196 50 55 60  
199 Gly Met  
200 65  
203 <210> SEQ ID NO: 13  
204 <211> LENGTH: 66  
205 <212> TYPE: PRT  
206 <213> ORGANISM: Homo sapiens  
208 <400> SEQUENCE: 13  
210 Cys Ala Val Cys Asn Asp Tyr Ala Ser Gly Tyr His Tyr Gly Val Trp  
211 1 5 10 15  
214 Ser Cys Glu Gly Cys Lys Ala Phe Phe Lys Arg Ser Ile Gln Gly His  
215 20 25 30  
218 Asn Asp Tyr Met Cys Pro Ala Thr Asn Gln Cys Thr Ile Asp Lys Asn  
219 35 40 45  
222 Arg Arg Lys Ser Cys Gln Ala Cys Arg Leu Arg Lys Cys Tyr Glu Val  
223 50 55 60  
226 Gly Met  
227 65  
230 <210> SEQ ID NO: 14  
231 <211> LENGTH: 66  
232 <212> TYPE: PRT  
233 <213> ORGANISM: Gallus gallus  
235 <400> SEQUENCE: 14

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/497,822C

DATE: 04/22/2003

TIME: 14:33:17

Input Set : A:\PTO.VSK.txt  
 Output Set: N:\CRF4\04222003\I497822C.raw

237 Cys Gly Val Cys Gly Asp Arg Ala Thr Gly Phe His Phe Asn Ala Met  
 238 1 5 10 15  
 241 Thr Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Met Lys Arg Lys  
 242 20 25 30  
 245 Ala Met Phe Thr Cys Pro Phe Asn Gly Asp Cys Lys Ile Thr Lys Asp  
 246 35 40 45  
 249 Asn Arg Arg His Cys Gln Ala Cys Arg Leu Lys Arg Cys Val Asp Ile  
 250 50 55 60  
 253 Gly Met  
 254 65  
 257 <210> SEQ ID NO: 15  
 258 <211> LENGTH: 68  
 259 <212> TYPE: PRT  
 260 <213> ORGANISM: Homo sapiens  
 262 <400> SEQUENCE: 15  
 264 Cys Val Val Cys Gly Asp Lys Ala Thr Gly Tyr His Tyr Arg Cys Ile  
 265 1 5 10 15  
 268 Thr Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Thr Ile Gln Lys Asn  
 269 20 25 30  
 272 Leu His Pro Ser Tyr Ser Cys Lys Tyr Glu Gly Lys Cys Val Ile Asp  
 273 35 40 45  
 276 Lys Val Thr Arg Asn Gln Cys Gln Glu Cys Arg Phe Lys Lys Cys Ile  
 277 50 55 60  
 280 Tyr Val Gly Met  
 281 65  
 284 <210> SEQ ID NO: 16  
 285 <211> LENGTH: 68  
 286 <212> TYPE: PRT  
 287 <213> ORGANISM: Avian erythroblastosis virus  
 289 <400> SEQUENCE: 16  
 291 Cys Val Val Cys Gly Asp Lys Ala Thr Gly Tyr His Tyr Arg Cys Ile  
 292 1 5 10 15  
 295 Thr Cys Glu Gly Cys Lys Ser Phe Phe Arg Arg Thr Ile Gln Lys Asn  
 296 20 25 30  
 299 Leu His Pro Thr Thr Ser Cys Thr Tyr Asp Gly Cys Cys Val Ile Asp  
 300 35 40 45  
 303 Lys Ile Thr Arg Asn Gln Cys Gln Leu Cys Arg Phe Lys Lys Cys Ile  
 304 50 55 60  
 307 Ser Val Gly Met  
 308 65  
 311 <210> SEQ ID NO: 17  
 312 <211> LENGTH: 66  
 313 <212> TYPE: PRT  
 314 <213> ORGANISM: Homo sapiens  
 316 <400> SEQUENCE: 17  
 318 Cys Phe Val Cys Gln Asp Lys Ser Ser Gly Tyr His Tyr Gly Val Ser  
 319 1 5 10 15  
 322 Ala Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Ile Gln Lys Asn  
 323 20 25 30

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/497,822C

DATE: 04/22/2003

TIME: 14:33:17

Input Set : A:\PTO.VSK.txt  
Output Set: N:\CRF4\04222003\I497822C.raw

326 Met Val Tyr Thr Cys His Arg Asp Lys Asn Cys Ile Ile Asn Lys Val  
327 35 40 45  
330 Thr Arg Asn Arg Cys Gln Tyr Cys Arg Leu Gln Lys Cys Phe Glu Val  
331 50 55 60  
334 Gly Met  
335 65  
338 <210> SEQ ID NO: 18  
339 <211> LENGTH: 5082  
340 <212> TYPE: DNA  
341 <213> ORGANISM: Homo sapiens  
343 <220> FEATURE:  
344 <221> NAME/KEY: misc\_feature  
345 <222> LOCATION: (360)..(360)  
346 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
349 <220> FEATURE:  
350 <221> NAME/KEY: misc\_feature  
351 <222> LOCATION: (365)..(365)  
352 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
355 <220> FEATURE:  
356 <221> NAME/KEY: misc\_feature  
357 <222> LOCATION: (376)..(376)  
358 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
361 <220> FEATURE:  
362 <221> NAME/KEY: misc\_feature  
363 <222> LOCATION: (385)..(385)  
364 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
367 <220> FEATURE:  
368 <221> NAME/KEY: misc\_feature  
369 <222> LOCATION: (399)..(399)  
370 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
373 <220> FEATURE:  
374 <221> NAME/KEY: misc\_feature  
375 <222> LOCATION: (407)..(407)  
376 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
379 <220> FEATURE:  
380 <221> NAME/KEY: misc\_feature  
381 <222> LOCATION: (417)..(417)  
382 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
385 <220> FEATURE:  
386 <221> NAME/KEY: misc\_feature  
387 <222> LOCATION: (422)..(422)  
388 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
391 <220> FEATURE:  
392 <221> NAME/KEY: misc\_feature  
393 <222> LOCATION: (435)..(435)  
394 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
397 <220> FEATURE:  
398 <221> NAME/KEY: misc\_feature  
399 <222> LOCATION: (439)..(439)

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 04/22/2003  
PATENT APPLICATION: US/09/497,822C                    TIME: 14:33:18

Input Set : A:\PTO.VSK.txt  
Output Set: N:\CRF4\04222003\I497822C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:18; N Pos. 360,365,376,385,399,407,417,422,435,439,441,598,689,714,715

Seq#:18; N Pos. 844,870,918,932,1195,1198,1202,1248,1322

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 8

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/497,822C

DATE: 04/22/2003

TIME: 14:33:18

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\04222003\I497822C.raw

L:492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:300

M:341 Repeated in SeqNo=18